

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/715,418 A
Source: JFCW316
Date Processed by STIC: 3-24-05

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/715,418A

DATE: 03/24/2005

TIME: 14:40:42

Input Set : A:\sequence listing.txt
 Output Set: N:\CRF4\03242005\I715418A.raw

3 <110> APPLICANT: LEWIN, DAVID A.
 4 PENNICA, DIANE
 5 RASTELLI, LUCA
 6 TALLION, BRUCE
 8 <120> TITLE OF INVENTION: WNT-REGULATED CYTOKINE-LIKE POLYPEPTIDE AND NUCLEIC
 9 ACIDS ENCODING SAME
 11 <130> FILE REFERENCE: 11669.191USU1
 13 <140> CURRENT APPLICATION NUMBER: 09/715,418A
 14 <141> CURRENT FILING DATE: 2000-11-16
 16 <150> PRIOR APPLICATION NUMBER: 60/166,177
 17 <151> PRIOR FILING DATE: 1999-11-18
 19 <160> NUMBER OF SEQ ID NOS: 49
 21 <170> SOFTWARE: PatentIn Ver. 2.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 212
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Mus sp.
 28 <400> SEQUENCE: 1
 29 gaattcagtg atgttagagag ggccatttag acactcatca agaacttcca taaatactct 60
 30 gttggcggta aaaaggaaac actgaccctt gctgagctt gagacctgg taccaggcag 120
 31 ctgccacacc tcatggcgg caactgtggg ttagaagaga aaattgccaa cctggcaac 180
 32 tgttaatgact cgaaactgga gtttggaaagc tt 212
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 1670
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Mus sp.
 40 <220> FEATURE:
 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: (1541)
 43 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown
 45 <400> SEQUENCE: 2
 46 tcaggtgagc tggctcctcc atcctgtctc ccagctgcca gcaggtctcc ccctcctcta 60
 47 ggttagatcat gatccatcatcg ctcctgtggg gcaggctata ggacagacga caaaactcaa 120
 48 ctcacagaag gaaggaccag tgcattccatgg acgatggac agtgcggc agccaatgct 180
 49 gaggatgccc aagaatttcg tgcattccatgg agggccattt agacactcat caagaacttc 240
 50 cataaaatact ctgtggcggg taaaaaggaa acactgaccc ctgctgagct tcgagacctg 300
 51 gttacccaggc agctgccaca cctcatgccc agcaactgtg gtttggaa gaaaattgcc 360
 52 aacctggca actgtaatga ctcgaaactg gagtttggaa gcttctggg gttgatttgg 420
 53 gaagcagcca agagtgtgaa gatggagagg ctcgttactc ggagctgagg acttctactt 480
 54 ggaacttgg tgggggtgtt gggatagggg agttttagag gcactggaaa taaaaccctc 540
 55 aatgcccacc acccccttcc ccagcctgca cctctcctca ttgctgcaat gttcacgttc 600
 56 aggacaggct tccctgtggg ctccatggag ctcctgggtc cagaagtccatctcaagg 660
 57 gagctcaggg ggtgggttgg ggctggagag gatatgcagg gatcctggaa gggtaaggc 720

(P56)

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Input Set : A:\sequence listing.txt
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58 caagcaattt ggttagtaggg gaagggcaga aaggaactgg gttatggaag tgatccaaag 780
 59 agcagggatg ggaatctggc tgcataattt gtcctgaaaa gggtgtctga gaacctaccc 840
 60 ccttctaattc ttgtccacc taaactgttag ttgtctgccc tggctatcc ttgctgcttc 900
 61 cagctctgcc ccatcccttcc tccagtgctc ttccctgagt aggggcaggg gaaataggag 960
 62 cagagttgca aaagaggctg aggagggcat gacttcatca ctttggggtg agaggaccag 1020
 63 ctagatgctt gggcattttt ggttagttttt ttatatcatt tgattaataa aaatattgga 1080
 64 aaatgtaaaag aaaaaaaaaaag aaaaaaaaaacat ggggcccggaaa ctttatcccc cttgagtagg 1140
 65 gtgatatttt gcgtgtgcaa tggggccctt gtttcgaga ggcggtgaca tggggaaaaac 1200
 66 atgggggtgt accaaacccctt aaccgccttt tagggaaac acccccttttccgcaagtgg 1260
 67 gtaataacg gaagaagccc ggccggattt cccttcacaa gagtctcccg cggtagatgc 1320
 68 ggatgggaca gcccccttcg gccggcggtt gggccgggtt tgggtgggtt ctacgcgaat 1380
 69 aggataaaat attgtggccg cggccgaggga gtgtgtgtgt tgccgcctt cttctgtgga 1440
 70 ggtgggtgtgt cccaaaaact aaaaggccccc ttttgcgcg ttagatttgc tctagcagag 1500
 W--> 71 **tccgctgcac atattttgtt gggcgtgtcc gtgcgcggcc nngtgggtgtc tggcgtggc 1560**
 72 gtcgcgtggg gttgggtgtgg ttgcgggggtt ggtcggtttt ggtgtgtgcg tgccgcggg 1620
 73 ggcgcgtgtgt gtcgtgtggg gcatgataag gtttagagtga gtgagagccg 1670
 76 <210> SEQ ID NO: 3
 77 <211> LENGTH: 131
 78 <212> TYPE: PRT
 79 <213> ORGANISM: Mus sp.
 81 <400> SEQUENCE: 3
 82 Ser Ile Ser Ser Cys Gly Ala Gly Tyr Arg Thr Asp Asp Lys Thr Gln
 83 1 5 10 15
 85 Leu Thr Glu Gly Arg Thr Ser Val Pro Gly Thr Met Gly Gln Cys Arg
 86 20 25 30
 88 Ser Ala Asn Ala Glu Asp Ala Gln Glu Phe Ser Asp Val Glu Arg Ala
 89 35 40 45
 91 Ile Glu Thr Leu Ile Lys Asn Phe His Lys Tyr Ser Val Ala Gly Lys
 92 50 55 60
 94 Lys Glu Thr Leu Thr Pro Ala Glu Leu Arg Asp Leu Val Thr Gln Gln
 95 65 70 75 80
 97 Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu Glu Lys Ile Ala
 98 85 90 95
 100 Asn Leu Gly Asn Cys Asn Asp Ser Lys Leu Glu Phe Gly Ser Phe Trp
 101 100 105 110
 103 Glu Leu Ile Gly Glu Ala Ala Lys Ser Val Lys Met Glu Arg Pro Val
 104 115 120 125
 106 Thr Arg Ser
 107 130
 110 <210> SEQ ID NO: 4
 111 <211> LENGTH: 357
 112 <212> TYPE: DNA
 113 <213> ORGANISM: Homo sapiens
 115 <220> FEATURE:
 116 <221> NAME/KEY: misc_feature
 117 <222> LOCATION: (231)
 118 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown
 120 <220> FEATURE:
 121 <221> NAME/KEY: misc_feature

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Input Set : A:\sequence listing.txt
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122 <222> LOCATION: (337)
123 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown
125 <400> SEQUENCE: 4
126 ataggacaac agaactctca ccaaaggacc agacacagtg agcaccatgg gacagtgtcg 60
127 gtcagccaaac gcagaggatg ctcaggaatt cagtatgtg gagagggcca ttgagaccct 120
128 catcaagaac tttcaccagt actccgtgga ggggtggaaag gagacgtga ccccttctga 180
W--> 129 **gctacggac ctggtcaccc agcagctgcc ccatctcatg ccgagcaact ntggcctgga** 240
130 agagaaaatt gccaacctgg gcagctcaa tgactctaaa ctggagttca ggagtttctg 300
131 ggagctgatt ggagaagcgg ccaagagtgt gaagctngag aggactgtcc gggggca 357
134 <210> SEQ ID NO: 5
135 <211> LENGTH: 379
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 5
140 gaattccaga gggagttctc agtgcggcc gacaggcctc tccagcttca cactcttggc 60
141 cgcttctcca atcagtccttcc agaaaactcctt gaactccagt ttagagtcat tgcagctgcc 120
142 caggttggca attttcttcc ccaggccaca gttgctcgcc atgagatggg gcagctgctg 180
143 ggtgaccagg tcccgtagct cagaaggggt cagcgtctcc ttcccacccctt ccacggagta 240
144 ctgggtgaaag ttcttgatga gggctctcaat ggcctctcc acatcaactga attcctgagc 300
145 atcctctgcg ttggctgacc gacactgtcc catggtgctc actgtgtctg gtcctttgg 360
146 gagagttctg ttgtccat 379
149 <210> SEQ ID NO: 6
150 <211> LENGTH: 118
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 6
155 Asp Asn Arg Thr Leu Thr Lys Gly Pro Asp Thr Val Ser Thr Met Gly
156 1 5 10 15
158 Gln Cys Arg Ser Ala Asn Ala Glu Asp Ala Gln Glu Phe Ser Asp Val
159 20 25 30
161 Glu Arg Ala Ile Glu Thr Leu Ile Lys Asn Phe His Gln Tyr Ser Val
162 35 40 45
164 Glu Gly Lys Glu Thr Leu Thr Pro Ser Glu Leu Arg Asp Leu Val
165 50 55 60
167 Thr Gln Gln Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu Glu
168 65 70 75 80
170 Lys Ile Ala Asn Leu Gly Ser Cys Asn Asp Ser Lys Leu Glu Phe Arg
171 85 90 95
173 Ser Phe Trp Glu Leu Ile Gly Glu Ala Ala Lys Ser Val Lys Leu Glu
174 100 105 110
176 Arg Pro Val Arg Gly His
177 115
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 20
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
188 <400> SEQUENCE: 7

RAW SEQUENCE LISTING
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189 cttgatgagg gtctcaatgg 20
 192 <210> SEQ ID NO: 8
 193 <211> LENGTH: 26
 194 <212> TYPE: DNA
 195 <213> ORGANISM: Artificial Sequence
 197 <220> FEATURE:
 198 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
 200 <400> SEQUENCE: 8
 201 ccacatcaact gaattcctga gcattcc 26
 204 <210> SEQ ID NO: 9
 205 <211> LENGTH: 20
 206 <212> TYPE: DNA
 207 <213> ORGANISM: Artificial Sequence
 209 <220> FEATURE:
 210 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 212 <400> SEQUENCE: 9
 213 cagacacagt gaggcaccatg 20
 216 <210> SEQ ID NO: 10
 217 <211> LENGTH: 98
 218 <212> TYPE: PRT
 219 <213> ORGANISM: Homo sapiens, W27152, chemotactic cytokine II CCII from WO97/34013
 221 <400> SEQUENCE: 10
 222 Met Ala Ala Glu Pro Leu Thr Glu Leu Glu Glu Ser Ile Glu Thr Val
 223 1 5 10 15
 225 Val Thr Thr Phe Phe Thr Phe Ala Arg Gln Glu Gly Arg Lys Asp Ser
 226 20 25 30
 228 Leu Ser Val Asn Glu Phe Lys Glu Leu Val Thr Gln Gln Leu Pro His
 229 35 40 45
 231 Leu Leu Lys Asp Val Gly Ser Leu Asp Glu Lys Met Lys Ser Leu Asp
 232 50 55 60
 234 Val Asn Gln Asp Ser Glu Leu Lys Phe Asn Glu Tyr Trp Arg Leu Ile
 235 65 70 75 80
 237 Gly Glu Leu Ala Lys Glu Ile Arg Lys Lys Asp Leu Lys Ile Arg
 238 85 90 95
 240 Lys Lys
 244 <210> SEQ ID NO: 11
 245 <211> LENGTH: 110
 246 <212> TYPE: PRT
 247 <213> ORGANISM: Homo sapiens, G491246, Macrophage Migration Inhibition Factor (MRP-
 14)
 249 <400> SEQUENCE: 11
 250 Met Ser Gln Leu Glu Arg Asn Ile Glu Thr Ile Ile Asn Thr Phe His
 251 1 5 10 15
 253 Gln Tyr Ser Val Lys Leu Gly His Pro Asp Thr Leu Asn Gln Gly Glu
 254 20 25 30
 256 Phe Lys Glu Leu Val Arg Lys Asp Leu Gln Asn Phe Leu Lys Lys Glu
 257 35 40 45
 259 Asn Lys Asn Glu Lys Val Ile Glu His Ile Met Glu Asp Leu Asp Thr
 260 50 55 60
 262 Asn Ala Asp Lys Gln Leu Ser Phe Glu Glu Phe Ile Met Leu Met Ala

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Input Set : A:\sequence listing.txt
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263 65 70 75 80
265 Arg Leu Thr Trp Ala Ser His Glu Lys Met His Glu Gly Asp Glu Gly
266 85 90 95
268 Pro Gly His His Lys Pro Gly Leu Gly Glu Gly Thr Pro
269 100 105 110
272 <210> SEQ ID NO: 12
273 <211> LENGTH: 37
274 <212> TYPE: PRT
275 <213> ORGANISM: Unknown Organism
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Description of Unknown Organism: 3-100/ICaBP type
279 calcium binding protein
281 <400> SEQUENCE: 12
282 Ser Asn Cys Gly Leu Glu Glu Lys Ile Ala Asn Leu Gly Ser Cys Asn
283 1 5 10 15
285 Asp Ser Lys Leu Glu Phe Arg Ser Phe Trp Glu Leu Ile Gly Glu Ala
286 20 25 30
288 Ala Lys Ser Val Lys
289 35
292 <210> SEQ ID NO: 13
293 <211> LENGTH: 37
294 <212> TYPE: PRT
295 <213> ORGANISM: Unknown Organism
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Unknown Organism: 3-100/ICaBP type
299 calcium binding protein
301 <400> SEQUENCE: 13
302 Asp Val Glu Arg Ala Ile Glu Thr Leu Ile Lys Asn Phe His Gln Tyr
303 1 5 10 15
305 Ser Val Glu Gly Gly Lys Glu Thr Leu Thr Pro Ser Glu Leu Arg Asp
306 20 25 30
308 Leu Val Thr Gln Gln
309 35
312 <210> SEQ ID NO: 14
313 <211> LENGTH: 19
314 <212> TYPE: PRT
315 <213> ORGANISM: Unknown Organism
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Unknown Organism: Bacterial type II
319 secretion system protein F
321 <400> SEQUENCE: 14
322 Val Thr Gln Gln Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu
323 1 5 10 15
325 Glu Lys Ile
329 <210> SEQ ID NO: 15
330 <211> LENGTH: 10
331 <212> TYPE: PRT
332 <213> ORGANISM: Unknown Organism
334 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/715,418A

DATE: 03/24/2005
TIME: 14:40:43

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\03242005\I715418A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1541 ✓
Seq#:4; N Pos. 231,337 ✓
Seq#:48; N Pos. 21,127

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/715,418A

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TIME: 14:40:43

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\03242005\I715418A.raw

L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1500

L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:180

M:341 Repeated in SeqNo=4

L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0

M:341 Repeated in SeqNo=48